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7-AS-TW0071-GEPH30-000

Date : 2014/ 07/ 04

Approval Sheet

Description : I-PEX +OD1.13+90mm,3M 背膠

Model No : GEPH-032

Part No :

Received & Approved by

ON \_\_\_\_\_ date \_\_\_\_\_ month \_\_\_\_\_ year



11F, No. 2, Sec. 4, Zhongyang Rd., Tucheng City, Taipei County, Taiwan(R.O.C), 236

Tel : +886-2-2269-4456

Fax : +886-2-2269-4451

E-mail : [sanav@sanav.com](mailto:sanav@sanav.com)

<http://www.sanav.com>



Approved by	Checked by	Issued by
	<i>Tank</i>	<i>Lily Chen</i>

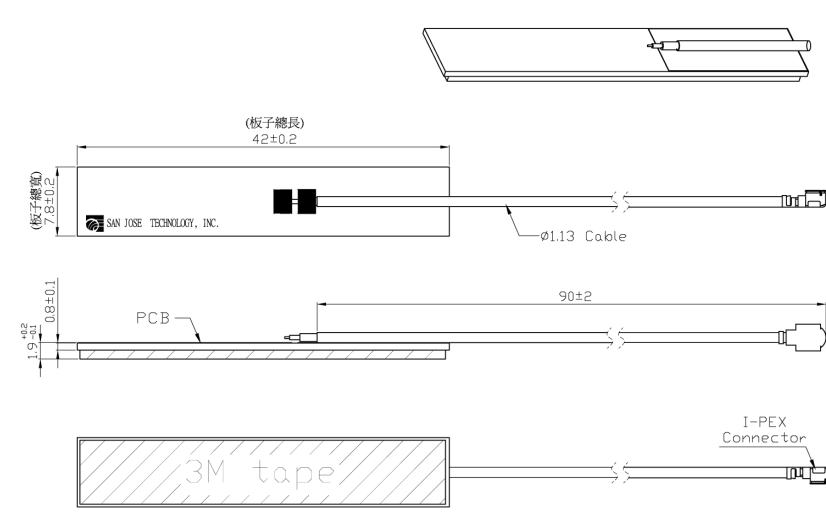


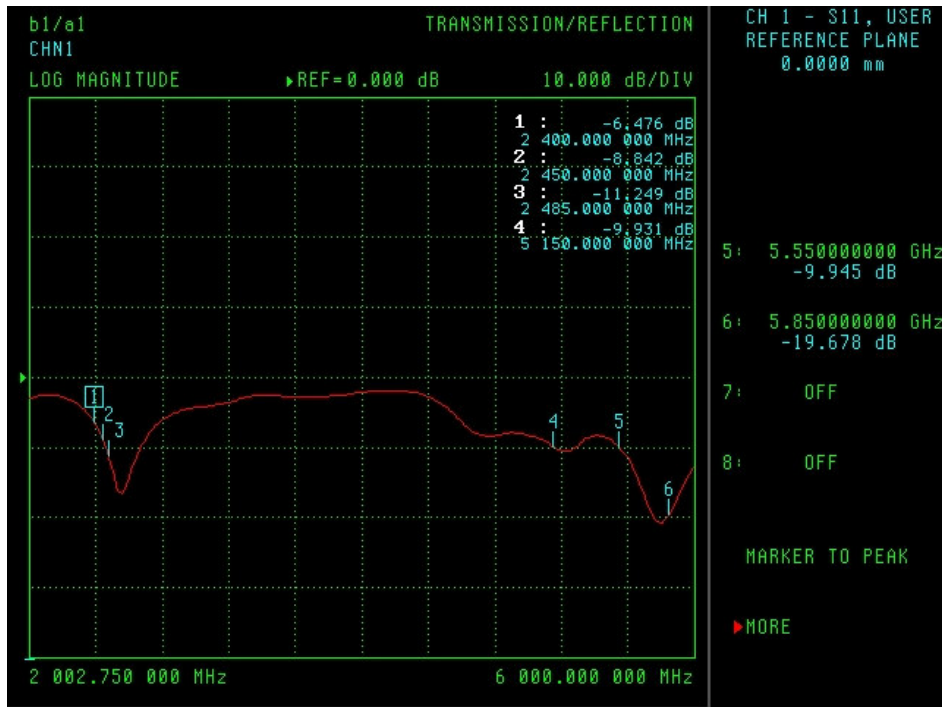
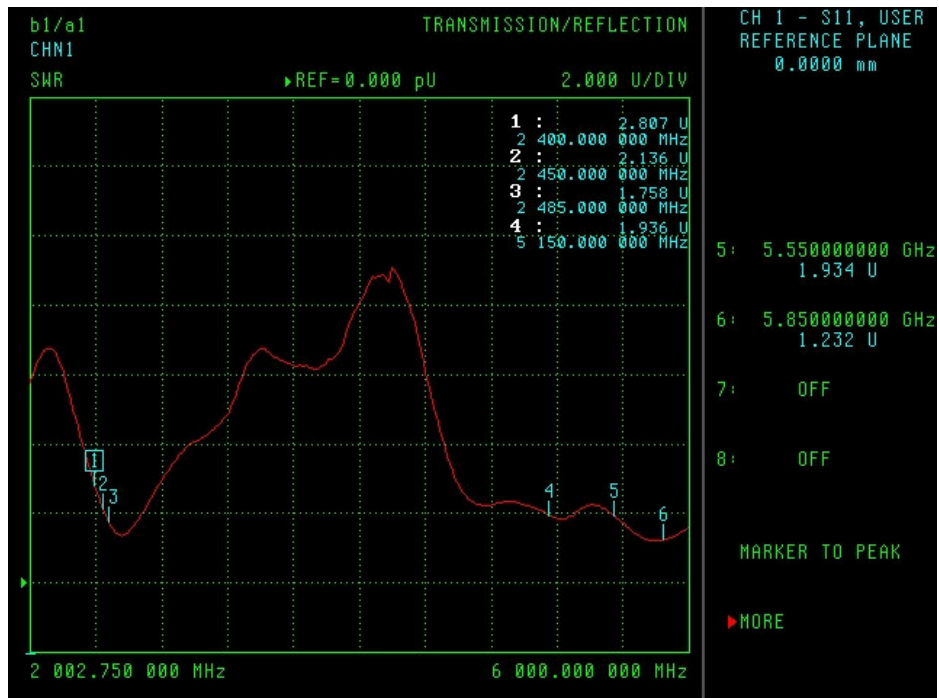
### SPECIFICATION

1.Description	Wlan Antenna
2.Part Number	GEPH-032
3.Mechanical Characteristics	
Connector Type	I-PEX
Cable	OD1.13(Black)
Length	90mm±2mm
Sponge Tape	3M 4218P
Appearance	See attached drawing
4.Electrical Characteristics	
Operating Frequency	2400~2500MHZ,5150~5850MHZ
Impedance	50ohm
Polarization	Linear
Gain	See Fig-3
5.Operating Temperature	-30°C -80°C
6.Storage Temperature	-40°C -85°C

**ELECTRICAL CHARACTERISTICS 電氣特性**

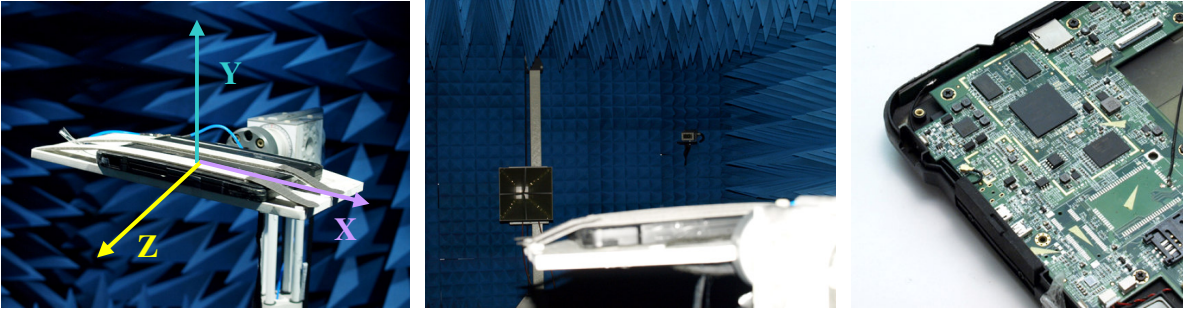
<b>ITEM</b> 項目	<b>TEST CONDITION</b> 測試環境	<b>SPECIFICATION</b> 規格
1 <b>RETURN LOSS</b> 反射損耗	Using Anritsu Network Analyzer MS-4623B to Measure Antenna S11 Return loss Characteristics 使用 Anritsu 網路分析儀 MS-4623B 測量天線 S11 之返回損耗參數	See Fig-1
2 <b>VSWR</b> 電壓駐波比	Using Anritsu Network Analyzer MS-4623B to Measure Antenna S11 VSWR Characteristics 使用 Anritsu 網路分析儀 MS-4623B 測量天線 S11 之電壓駐波參數	See Fig-2

		發行日期:	A1.0																																																																		
		修正日期:																																																																			
		受控日期																																																																			
品名: GEPH-032 Wlan Antenna		客戶: Partner	規格																																																																		
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NOTICE 備註 <table border="1" data-bbox="558 963 1085 1064"> <thead> <tr> <th rowspan="2">CLASS</th> <th colspan="4">TOLERANCE</th> <th rowspan="2">UNIT</th> <th rowspan="2">SCALE</th> <th rowspan="2">TOLERANCE CLASS</th> </tr> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0.05</td> <td>0.05</td> <td>0.1</td> <td>0.2</td> <td>mm</td> <td>1:1</td> <td>±0.2</td> </tr> <tr> <td>0 - 25</td> <td>0.05</td> <td>0.05</td> <td>0.2</td> <td>0.5</td> <td>mm</td> <td>1:1</td> <td></td> </tr> <tr> <td>25 - 50</td> <td>0.05</td> <td>0.12</td> <td>0.3</td> <td>0.4</td> <td>mm</td> <td>1:1</td> <td></td> </tr> <tr> <td>50 - 80</td> <td>0.12</td> <td>0.20</td> <td>0.4</td> <td>0.5</td> <td>mm</td> <td>1:1</td> <td></td> </tr> <tr> <td>80 -</td> <td>0.20</td> <td>0.30</td> <td>0.5</td> <td>0.6</td> <td>mm</td> <td>1:1</td> <td></td> </tr> </tbody> </table>		CLASS	TOLERANCE				UNIT	SCALE	TOLERANCE CLASS	A	B	C	D	0	0.05	0.05	0.1	0.2	mm	1:1	±0.2	0 - 25	0.05	0.05	0.2	0.5	mm	1:1		25 - 50	0.05	0.12	0.3	0.4	mm	1:1		50 - 80	0.12	0.20	0.4	0.5	mm	1:1		80 -	0.20	0.30	0.5	0.6	mm	1:1		<table border="1" data-bbox="766 963 1085 1064"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DESIGNED</th> <th>DRAWN</th> <th>CHECKED</th> <th>APPROVED</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td></td> <td>新禾航電股份有限公司 SAN JOSE TECHNOLOGY, INC.</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED	DATE		新禾航電股份有限公司 SAN JOSE TECHNOLOGY, INC.					
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檢驗項目	品質要求	檢驗方式	檢驗標準																																																																		
外觀	不可有明顯刮傷、破損	目視(亮度 100Lux, 正常視力, 視距 30cm, 視角 30°-80°)	參照樣品																																																																		
尺寸	尺寸如示意圖: 長度 42mm X 寬 7.8mm 線材部份: 長 90mm +/-2mm	1. 游標卡尺 2. 捲尺	承認書																																																																		
機械性能		1. 拉力計 2. 高斯計	承認書																																																																		
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**Antenna Return Loss:**

**Fig-1**

**Fig-2**

**Antenna 3D Gain:**

This 3D Gain Report is scanned in SANAV 3D chamber, under CTIA regulation.



Frequency (MHz)	2400	2450	2485	5150	5550	5850
Gain (dBi)	0.93	2.59	2.44	0.86	-0.86	-0.23
Average Gain (dB)	-4.24	-2.68	-2.48	-4.35	-5.26	-4.38
Efficiency (%)	37.67	53.91	56.46	36.74	29.78	36.47

**Fig-3**

**Antenna 3D Pattern:**

